

A 105
CANTOR FITZGERALD
A.D. 3

TAA#941154
5/1/95

CANTOR
FITZGERALD

WFG DESIGN GROUP

ARCHITECT
INTERIOR DESIGNER
NEW YORK, NEW YORK 10017
TEL: 212 682-1111
FAX: 212 682-0000

Signed: *Ilya Asanovich*
Ilya Asanovich
NTX Interiors Inc.
General Contractor
Certified As-Built

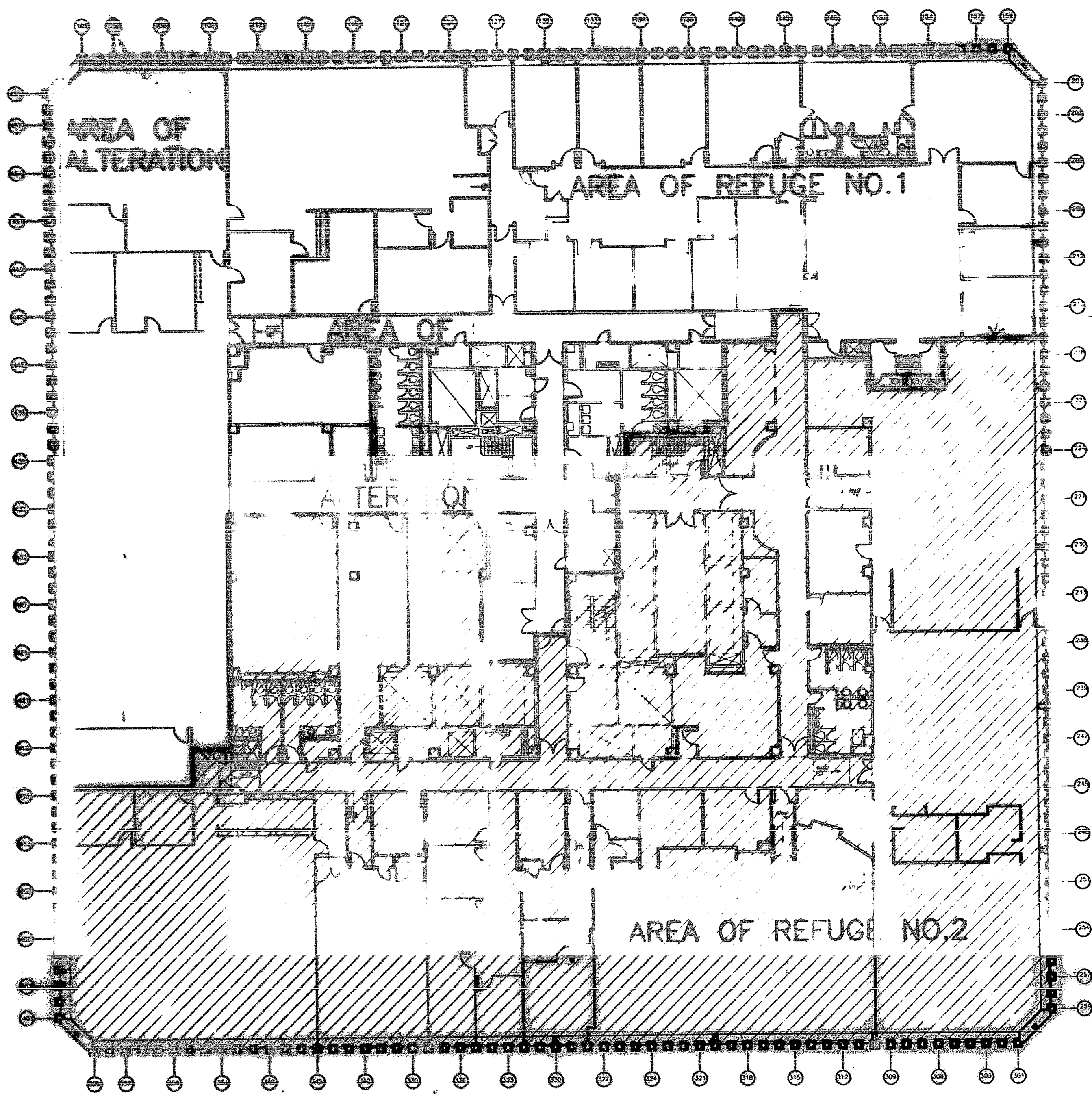
No.	Revision	Issued Recd.
		O M S E
1	12.0.94 REVISED AS PER 201 AUTHORITY COMMENT 2ND SUBMISSION	
2	1.10.95 REVISED AS PER TENANT REQUEST	
3	3.1.95 "AS-BUILT"	

187 ARBOR
PLAN VIEW
CALCULATION

Scale
1/16" = 1'-0"
Project No.
94160
Date
9.06.94
Dwg. No.

APPROVED
A03

2001: C:\DRAWINGS\CONTRACTS\EGRESS\105



FLOOR TENANT NOTES

1. OCCUPANCY CLASSIFICATION: OCCUPANCY GROUP "E"
2. USABLE SQUARE FOOTAGE: 42,436 SQUARE FEET
3. NUMBER OF PEOPLE ON FLOOR: 550 PEOPLE
4. THIS FLOOR IS SINGLE TENANT OCCUPANCY BY CANTOR FITZGERALD SECURITIES CORP.
5. THIS FLOOR IS FULLY SPRINKLERED
6. THIS PROPOSED ALTERATION DOES NOT AFFECT THE EXISTING DEGREE OF COMPLIANCE WITH LOCAL LAW 5/73 IN THE BUILDING

CALCULATIONS FOR THE MAXIMUM ALLOWABLE OCCUPANCY OF THE 105TH FLOOR TENANT ALTERATION
APPLICATION NO. _____ APPROVAL DATE _____

1. ALLOWABLE CAPACITY OF EXIT DOORS TO FIRE STAIRS:
EACH 22" UNIT OF WIDTH = 80 OCCUPANTS
EACH 12" ADDITIONAL UNIT OF WIDTH = 40 OCCUPANTS
(NYC BUILDING CODE C-26-601.3 & TABLE 6-1)

STAIR NO. 1 & 2
DOOR @ 3'-0" x 36"
22" = 80
12" = 40
34" = 120 OCCUPANTS ALLOWABLE
EACH STAIR

STAIR NO. 3
DOOR @ 3'-9" x 45"
22" = 80
22" = 80
44" = 160 OCCUPANTS ALLOWABLE

2. ALLOWABLE CAPACITY OF EXIT STAIRS
EACH UNIT OF WIDTH = 60 OCCUPANTS
EACH 12" ADDITIONAL UNIT OF WIDTH = 30 OCCUPANTS
(NYC BUILDING CODE C-26-601.3 & TABLE 6-1)

STAIR NO. 1 & 2
22" = 60
22" = 60
44" = 120 OCCUPANTS ALLOWABLE
EACH STAIR

STAIR NO. 3
22" = 60
22" = 60
12" = 30
56" = 150 OCCUPANTS ALLOWABLE

3. FLOOR CAPACITY DETERMINED BY EXISTING PLUMBING FIXTURES (NYC BUILDING CODE TABLE RS 16-5 MINIMUM NUMBER OF PLUMBING FIXTURES REQUIRED).
THE MAXIMUM ALLOWABLE OCCUPANCY OF THIS FLOOR IS 755 OCCUPANTS DETERMINED BY THE 19 EXISTING LAVATORIES.
755 OCCUPANTS ALLOWABLE BASED ON PLUMBING FIXTURES.

4. CAPACITY OF EXITS
(NYC BUILDING CODE C26-603.3)
REDUCTION IN REQUIREMENT FOR VERTICLE EXITS, PER PARAGRAPH C-26-603.3, WHEN FLOOR AREA HAS ACCESS TO ONE (1) AREA OF REFUGE COMPLYING WITH THE REQUIREMENTS OF SECTION C-26-604.5, CAPACITY OF VERTICLE EXITS REQUIRED MAY BE REDUCED BY FIFTY (50) PERCENT OF THE OCCUPANT LOAD.

VERTICLE EXIT CAPACITY:
STAIR NO. 1 = 120 PERSONS
STAIR NO. 2 = 120 PERSONS
STAIR NO. 3 = 150 PERSONS
TOTAL = 390 PERSONS
MAXIMUM ALLOWABLE OCCUPANT LOAD = 390 x 2 = 780 PERSONS

5. VERIFICATION OF ALLOWABLE NUMBER OF OCCUPANTS IN AREA OF REFUGE
(NYC BUILDING CODE C26-604.5 REQUIRES 3 SQUARE FEET PER PERSON)

755 OCCUPANTS @ 3 SQ.FT. = 2,265 SQUARE FEET

AREA OF REFUGE NO. 1 = 16,200 SQUARE FEET
AREA OF REFUGE NO. 2 = 27,050 SQUARE FEET

6. BASED ON ABOVE CALCULATIONS THE MAXIMUM ALLOWABLE OCCUPANCY OF THE 105TH FLOOR AS APPROVED ON TENANT ALTERATION NO. 3980.

APPROVAL DATE _____ 755 ALLOWABLE OCCUPANTS
ACTUAL NUMBER OF OCCUPANTS _____ 557 ACTUAL OCCUPANTS
AFTER THIS ALTERATION = _____ 890 ACTUAL OCCUPANTS

1 EGRESS ANALYSIS PLAN
SCALE: 1/16"=1'-0"

□ AREA OF REFUGE #1
▨ AREA OF REFUGE #2
□ AREA OF ALTERATION